Author Index

ABNEY E.R. *see* ZHENG R.Q.H.
ADAMS L.S. *see* BELL R.G.
ALEXANDER J. *see* BREWER J.M.
AMEDEE-MANESME O. *see* TABONE M.D.
ANDERSSON J., NAGY S., GROTH C.-G. & ANDERSSON U. Effects of FK506 and cyclosporin A on cytokine production studied *in vitro* at a single-cell level, 136
ANDERSSON U. *see* ANDERSSON J.
ANDREANI D. *see* CAVALLO M.G.
ANSTEE D.J. *see* FLETCHER A.
AOKI Y., HASE T., OSHIMI K. & SUZUKI K. Induction of activated killer cells from human lymphocytes by medullasin (a serine protease in bone marrow cells), 481
APPELBERG R. $CD4^+$ T cells are required for antigen-specific recruitment of neutrophils by BCG-immune spleen cells, 414
APPLETON J.A. *see* BELL R.G.
ARAKI K. *see* TAKASHIMA H.
ARAKI S. *see* SHINBORI T.
ARIZONO N. *see* YAMADA M.
AXELSSON B. *see* BJÖRCK P.

BABIUK L.A. *see* CAMPOS M.
BACH M.K. & BRASHLER J.R. FMLP is a potent activator of guinea-pig eosinophils but its activity is dependent on the prior overnight *in vitro* culture of the cells (facilitation), 680
BAILEY M. *see* WILLIAMS N.A.
BARKANS J. *see* HAMID Q.
BARONI N.G. *see* CAVALLO M.G.
BARRIA M. *see* ESQUIVEL P.
BAST B.J.E.G. *see* KOOLWIJK P.
BATAILLE R., ZHANG X.G., DUPERRAY C., RAJZBAUM G., BROCHIER J. & KLEIN B. Major immunoglobulin capping deficiency in the peripheral blood B cells of patients with Sjögren's syndrome, 550
BATE C.A.W., TAVERNE J., ROMÁN E., MORENO C. & PLAYFAIR J.H.L. Tumour necrosis factor induction by malaria exoantigens depends upon phospholipid, 129
BELL R.G., APPLETON J.A., NEGRAO-CORREA D.A. & ADAMS L.S. Rapid expulsion of *Trichinella spiralis* in adult rats mediated by monoclonal antibodies of distinct IgG isotypes, 520
BEVAN S.J. *see* CALDER P.C.
BIELEFELDT OHMANN H. *see* CAMPOS M.
BINAGHI R.A. *see* MIRANDA S.
BIRKELAND M.L., KRAUS T., TARDELLI L. & PURE É. Progressive changes in CD45B phenotype and lymphokine production by murine $CD4^+$ T cells after alloantigen exposure, 632
BITI R. *see* FOLEY P.
BJÖRCK P., PAULIE S. & AXELSSON B. Interleukin-4-mediated aggregation of anti-IgM-stimulated human B cells: inhibition of aggregation but enhancement of proliferation by antibodies to LFA-1, 122
BLACKBURN C.C. & SELKIRK M.E. Inactivation of platelet-activating factor by a putative acetylhydrolase from the gastrointestinal nematode parasite *Nippostrongylus brasiliensis*, 41
BLAND P.W. & WHITING C.V. Induction of MHC class II gene products in rat intestinal epithelium during graft-versus-host disease and effects on the immune function of the epithelium, 366
BLAND P.W. *see* WILLIAMS N.A.
BLUMENSTEIN M. *see* ZIEGLER-HEITBROCK H.W.L.
BRANDON R.B. *see* LEW A.M.
BRASHLER J.R. *see* BACH M.K.
BRENTANI R. *see* DE SOUSA S.J.
BREWER J.M. & ALEXANDER J. The adjuvant activity of non-ionic surfactant vesicles (niosomes) on the BALB/c humoral response to bovine serum albumin, 570
BRIAN A.A. *see* THOR G.
BROCHIER J. *see* BATAILLE R.
BROM C., BROM J. & KÖNIG W. Neomycin induces stimulatory and inhibitory effects on leukotriene generation, guanine triphosphatase activity, and actin polymerization within human neutrophils, 150
BROM J. & KÖNIG W. Cytokine-induced (interleukins-3, -6 and -8 and tumour necrosis factor-beta) activation and deactivation of human neutrophils, 281
BROM J. *see* BROM C.
BROOKS B., PARRY H., LAWRY J. & REES R. Evidence that interleukin-4 suppression of lymphokine-activated killer cell induction is mediated through monocytes, 343
BROWN E.M. *see* MANOHAR V.
BRYANT J.A. *see* FLETCHER A.
BURTLES S.S. & HOOPER D.C. The effect of neonatal tolerance to bovine gamma globulin (BGG) on BGG-reactive $CD4^+$ T lymphocytes, 311
BURTLES S.S. *see* PLEBANSKI M.

CABRERA W.H. *see* REIS M.H.
CAIRNS J.A., GUY G.R. & TAN Y.H. Interleukin-6 regulates the cytotoxic effect of tumour necrosis factor on U937 cells, 669
CALDER P.C., BEVAN S.J. & NEWSHOLME E.A. The inhibition of T-lymphocyte proliferation by fatty acids is via an eicosanoid-independent mechanism, 108
CAMBIER J.C. *see* WYSOCKI L.J.
CAMPBELL D. *see* LI J.
CAMPOS M., GRIEBEL P., BIELEFELDT OHMANN H. & BABIUK L.A. Cell-mediated cytotoxic responses in lungs following a primary bovine herpes virus type 1 infection, 47
CAVALLO M.G., BARONI N.G., TOTO A., GEARING A.J.H., FORSEY T., ANDREANI D., THORPE R. & POZZILLI P. Viral infection induces cytokine release by beta islet cells, 664
CHAMAT S. *see* MORROW W.J.W.
CHAMBERS D.A. *see* COOK-MILLS J.M.
CHAPMAN C.J. *see* ROBINSON J.H.
CHARTERIS D.G. & LIGHTMAN S.L. Interferon-gamma (IFN-γ) production *in vivo* in experimental autoimmune uveoretinitis, 463
CHEETHAM B.F. *see* GREENWAY A.L.
CHEN Z. *see* XIANG J.
CHOY M. *see* SPENCER J.
CHU C.Q. *see* ZHENG R.Q.H.
CHURCHILL L., FRIEDMAN B., SCHLEIMER R.P. & PROUD D. Production of granulocyte–macrophage colony-stimulating factor by cultured human tracheal epithelial cells, 189
CHUSED T.M. *see* MANOHAR V.
CLARK B.D. *see* YE K.
CLARKE F.C. *see* RECHAV Y.
CLASSON B.J. *see* McKNIGHT A.J.
COETZEE S. *see* ORREN A.
COLONNA ROMANO G. *see* DIELI F.
COOK-MILLS J.M., MUNSHI H.G., PERLMAN R.L. & CHAMBERS D.A. Mouse hepatitis virus infection suppresses modulation of mouse spleen T-cell activation, 542
CORDELL J. *see* PULFORD K.
COUDERC J. *see* REIS M.H.
COULSON P.S. *see* MOUNTFORD A.P.
COUTELIER, J.-P. *see* MONTEYNE PH.
CREADON G. *see* WYSOCKI L.J.
CROWE S. *see* PLEBANSKI M.
CUMBERBATCH M. & KIMBER I. Dermal tumour necrosis factor-α

Author Index

ABNEY E.R. *see* ZHENG R.Q.H.
ADAMS L.S. *see* BELL R.G.
ALEXANDER J. *see* BREWER J.M.
AMEDEE-MANESME O. *see* TABONE M.D.
ANDERSSON J., NAGY S., GROTH C.-G. & ANDERSSON U. Effects of FK506 and cyclosporin A on cytokine production studied *in vitro* at a single-cell level, 136
ANDERSSON U. *see* ANDERSSON J.
ANDREANI D. *see* CAVALLO M.G.
ANSTEE D.J. *see* FLETCHER A.
AOKI Y., HASE T., OSHIMI K. & SUZUKI K. Induction of activated killer cells from human lymphocytes by medullasin (a serine protease in bone marrow cells), 481
APPELBERG R. $CD4^+$ T cells are required for antigen-specific recruitment of neutrophils by BCG-immune spleen cells, 414
APPLETON J.A. *see* BELL R.G.
ARAKI K. *see* TAKASHIMA H.
ARAKI S. *see* SHINBORI T.
ARIZONO N. *see* YAMADA M.
AXELSSON B. *see* BJÖRCK P.

BABIUK L.A. *see* CAMPOS M.
BACH M.K. & BRASHLER J.R. FMLP is a potent activator of guinea-pig eosinophils but its activity is dependent on the prior overnight *in vitro* culture of the cells (facilitation), 680
BAILEY M. *see* WILLIAMS N.A.
BARKANS J. *see* HAMID Q.
BARONI N.G. *see* CAVALLO M.G.
BARRIA M. *see* ESQUIVEL P.
BAST B.J.E.G. *see* KOOLWIJK P.
BATAILLE R., ZHANG X.G., DUPERRAY C., RAJZBAUM G., BROCHIER J. & KLEIN B. Major immunoglobulin capping deficiency in the peripheral blood B cells of patients with Sjögren's syndrome, 550
BATE C.A.W., TAVERNE J., ROMÁN E., MORENO C. & PLAYFAIR J.H.L. Tumour necrosis factor induction by malaria exoantigens depends upon phospholipid, 129
BELL R.G., APPLETON J.A., NEGRAO-CORREA D.A. & ADAMS L.S. Rapid expulsion of *Trichinella spiralis* in adult rats mediated by monoclonal antibodies of distinct IgG isotypes, 520
BEVAN S.J. *see* CALDER P.C.
BIELEFELDT OHMANN H. *see* CAMPOS M.
BINAGHI R.A. *see* MIRANDA S.
BIRKELAND M.L., KRAUS T., TARDELLI L. & PURE É. Progressive changes in CD45B phenotype and lymphokine production by murine $CD4^+$ T cells after alloantigen exposure, 632
BITI R. *see* FOLEY P.
BJÖRCK P., PAULIE S. & AXELSSON B. Interleukin-4-mediated aggregation of anti-IgM-stimulated human B cells: inhibition of aggregation but enhancement of proliferation by antibodies to LFA-1, 122
BLACKBURN C.C. & SELKIRK M.E. Inactivation of platelet-activating factor by a putative acetylhydrolase from the gastrointestinal nematode parasite *Nippostrongylus brasiliensis*, 41
BLAND P.W. & WHITING C.V. Induction of MHC class II gene products in rat intestinal epithelium during graft-versus-host disease and effects on the immune function of the epithelium, 366
BLAND P.W. *see* WILLIAMS N.A.
BLUMENSTEIN M. *see* ZIEGLER-HEITBROCK H.W.L.
BRANDON R.B. *see* LEW A.M.
BRASHLER J.R. *see* BACH M.K.
BRENTANI R. *see* DE SOUSA S.J.
BREWER J.M. & ALEXANDER J. The adjuvant activity of non-ionic surfactant vesicles (niosomes) on the BALB/c humoral response to bovine serum albumin, 570
BRIAN A.A. *see* THOR G.
BROCHIER J. *see* BATAILLE R.
BROM C., BROM J. & KÖNIG W. Neomycin induces stimulatory and inhibitory effects on leukotriene generation, guanine triphosphatase activity, and actin polymerization within human neutrophils, 150
BROM J. & KÖNIG W. Cytokine-induced (interleukins-3, -6 and -8 and tumour necrosis factor-beta) activation and deactivation of human neutrophils, 281
BROM J. *see* BROM C.
BROOKS B., PARRY H., LAWRY J. & REES R. Evidence that interleukin-4 suppression of lymphokine-activated killer cell induction is mediated through monocytes, 343
BROWN E.M. *see* MANOHAR V.
BRYANT J.A. *see* FLETCHER A.
BURTLES S.S. & HOOPER D.C. The effect of neonatal tolerance to bovine gamma globulin (BGG) on BGG-reactive $CD4^+$ T lymphocytes, 311
BURTLES S.S. *see* PLEBANSKI M.

CABRERA W.H. *see* REIS M.H.
CAIRNS J.A., GUY G.R. & TAN Y.H. Interleukin-6 regulates the cytotoxic effect of tumour necrosis factor on U937 cells, 669
CALDER P.C., BEVAN S.J. & NEWSHOLME E.A. The inhibition of T-lymphocyte proliferation by fatty acids is via an eicosanoid-independent mechanism, 108
CAMBIER J.C. *see* WYSOCKI L.J.
CAMPBELL D. *see* LI J.
CAMPOS M., GRIEBEL P., BIELEFELDT OHMANN H. & BABIUK L.A. Cell-mediated cytotoxic responses in lungs following a primary bovine herpes virus type 1 infection, 47
CAVALLO M.G., BARONI N.G., TOTO A., GEARING A.J.H., FORSEY T., ANDREANI D., THORPE R. & POZZILLI P. Viral infection induces cytokine release by beta islet cells, 664
CHAMAT S. *see* MORROW W.J.W.
CHAMBERS D.A. *see* COOK-MILLS J.M.
CHAPMAN C.J. *see* ROBINSON J.H.
CHARTERIS D.G. & LIGHTMAN S.L. Interferon-gamma (IFN-γ) production *in vivo* in experimental autoimmune uveoretinitis, 463
CHEETHAM B.F. *see* GREENWAY A.L.
CHEN Z. *see* XIANG J.
CHOY M. *see* SPENCER J.
CHU C.Q. *see* ZHENG R.Q.H.
CHURCHILL L., FRIEDMAN B., SCHLEIMER R.P. & PROUD D. Production of granulocyte–macrophage colony-stimulating factor by cultured human tracheal epithelial cells, 189
CHUSED T.M. *see* MANOHAR V.
CLARK B.D. *see* YE K.
CLARKE F.C. *see* RECHAV Y.
CLASSON B.J. *see* McKNIGHT A.J.
COETZEE S. *see* ORREN A.
COLONNA ROMANO G. *see* DIELI F.
COOK-MILLS J.M., MUNSHI H.G., PERLMAN R.L. & CHAMBERS D.A. Mouse hepatitis virus infection suppresses modulation of mouse spleen T-cell activation, 542
CORDELL J. *see* PULFORD K.
COUDERC J. *see* REIS M.H.
COULSON P.S. *see* MOUNTFORD A.P.
COUTELIER, J.-P. *see* MONTEYNE PH.
CREADON G. *see* WYSOCKI L.J.
CROWE S. *see* PLEBANSKI M.
CUMBERBATCH M. & KIMBER I. Dermal tumour necrosis factor-α

induces dendritic cell migration to draining lymph nodes, and possibly provides one stimulus for Langerhans' cell migration, 257
CUNNINGHAM A.L. *see* FOLEY P.
CUZNER M.L. *see* LOUGHLIN A.J.

D'AMICO E. *see* DE SOUSA S.J.
DANIELS C.K. *see* TAYLOR L.D.
DANIELS R.H., FINNEN M.J., HILL M.E. & LACKIE J.M. Recombinant human monocyte IL-8 primes NADPH-oxidase and phospholipase A_2 activation in human neutrophils, 157
DAUTH J. *see* RECHAV Y.
DAVIES A. *see* ROONEY I.A.
DAVIS W.C. *see* GRIEBEL P.J.
DE JONG M.A.C. *see* VAN LIEROP M.-J. C.
DE SOUSA S.J., SABBAGA J., D'AMICO E., PASQUALINI R. & BRENTANI R. Anti-platelet autoantibodies from ITP patients recognize an epitope in GPIIb/IIIa deduced by complementary hydropathy, 17
DEANS J.P. *see* KANNER S.B.
DIELI F., COLONNA ROMANO G., ZINGONE D. & SALERNO A. Impairment of contrasuppressor activity in mice infected with the paramyxovirus of Newcastle disease, 245
DINARELLO C.A. *see* YE K.
DOKMETJIAN J. *see* MIRANDA S.
DUAN X., NERL C., JANSSEN O. & KABELITZ D. B-cell maturation in chronic lymphocytic leukaemia IV. T-cell-dependent activation of leukaemic B cells by staphylococcal enterotoxin 'superantigens', 420
DUPERRAY C. *see* BATAILLE R.
DURHAM S.R. *see* HAMID Q.

EKSTIJN G.L. *see* OOSTERLAKEN T.A.M.
ELSE K.J., HÜLTNER L. & GRENCIS R.K. Cellular immune responses to the murine nematode parasite *Trichuris muris* II. Differential induction of Th-cell subsets in resistant versus susceptible mice, 232
ENDRES S. *see* ZIEGLER-HEITBROCK H.W.L.
ENOMOTO M. *see* SAITO S.
ERNST M. *see* PRYJMA J.
ESQUIVEL P., RIVAS C., MENA M., BARRIA M. & FOLCH H. Age-related capacity of neuroendocrine factors to differentiate T cells *in vitro*, 99

FAULHABER L.M. & KARP R.D. A diphasic immune response against bacteria in the American cockroach, 378
FELDMANN M. *see* ZHENG R.Q.H.
FERNIE B.A. *see* ORREN A.
FIELD M. *see* ZHENG R.Q.H.
FINBLOOM D.S. *see* LIANG S.-M.
FINNEN M.J. *see* DANIELS R.H.
FLAD H.-D. *see* PRYJMA J.
FLEGEL W.A. *see* ZIEGLER-HEITBROCK H.W.L.
FLETCHER A., BRYANT J.A., GARDNER B., JUDSON P.A., SPRING F.A., PARSONS S.F., MALLINSON G. & ANSTEE D.J. New monoclonal antibodies in CD59: use for the analysis of peripheral blood cells from paroxysmal nocturnal haemoglobinuria (PNH) patients and for the quantitation of CD59 on normal and decay accelerating factor (DAF)-deficient erythrocytes, 507
FLYNN J.N., SILEGHEM M. & WILLIAMS D.J.L. Parasite-specific T-cell responses of trypanotolerant and trypanosusceptible cattle during infection with *Trypanosoma congolense*, 639
FOLCH H. *see* ESQUIVEL P.
FOLEY P., KAZAZI F., BITI R., SORRELL T.C. & CUNNINGHAM A.L. HIV infection of monocytes inhibits the T-lymphocyte proliferative response to recall antigens, via production of eicosanoids, 391
FORSEY T. *see* CAVALLO M.G.
FOX B.S. Antibody responses to a cytochrome *c* peptide do not correlate with lymphokine production patterns from helper T-cell subsets, 164
FOX B.S. *see* SOWALSKY R.A.
FRIEDMAN B. *see* CHURCHILL L.
FROIDEVAUX S., ROSENBLATT N. & LOOR F. Adoptive transfer of the generalized lymphoproliferative disease (*gld*) syndrome in nude beige mice, 693
FUJIKAWA M., YAMASHITA N., YAMAZAKI K., SUGIYAMA E., SUZUKI H. & HAMAZAKI T. Eicosapentaenoic acid inhibits antigen-presenting cell function of murine splenocytes, 330
FURKIEL R.P.M., LUCISANO Y.M. & MANTOVANI B. Precipitated immune complexes of IgM as well as of IgG can bind to rabbit polymorphonuclear leucocytes but only the immune complexes of IgG are readily phagocytosed, 528

GARDNER B. *see* FLETCHER A.
GEARING A.J.H. *see* CAVALLO M.G.
GOMPELS M. *see* MACATONIA S.E.
GRAU G.E. *see* TABONE M.D.
GREEN C. *see* GUY K.
GREENWAY A.L., OVERALL M.L., SATTAYASAI N., ROWLEY M.J., HERTZOG P.J., McMULLEN G.L., CHEETHAM B.F. & MARZUKI S. Selective production of interferon-alpha subtypes by cultured peripheral blood mononuclear cells and lymphoblastoid cell lines, 182
GRENCIS R.K. *see* ELSE K.J.
GRIEBEL P. *see* CAMPOS M.
GRIEBEL P.J., DAVIS W.C. & REYNOLDS J.D. An analysis of the growth and differentiation of B cells isolated from follicles of the ileal Peyer's patch of sheep, 601
GROTH C.-G. *see* ANDERSSON J.
GUSSELLA G.L. *see* MUKAIDA N.
GUY G.R. *see* CAIRNS J.A.
GUY K. & GREEN C. The influence of the *In(Lu)* gene on expression of CDw75 antigens on human red blood cells, 713

HAAS J.G. *see* ZIEGLER-HEITBROCK H.W.L.
HALLSWORTH M.P., LITCHFIELD T.M. & LEE T.H. Glucocorticoids inhibit granulocyte–macrophage colony-stimulating factor-1 and interleukin-5 enchanced *in vitro* survival of human eosinophils, 382
HAMAZAKI T. *see* FUJIKAWA M.
HAMID Q., BARKANS J., ROBINSON D.S., DURHAM S.R. & KAY A.B. Co-expression of CD25 and CD3 in atopic allergy and asthma, 659
HANDA T. *see* SERUSHAGO B.A.
HARMSEN M. *see* OOSTERLAKEN T.A.M.
HARRIMAN G.R., HÖRNQVIST E. & LYCKE N.Y. Antigen-specific and polyclonal $CD4^+$ lamina propria T-cell lines: phenotypic and functional characterization, 66
HASE T. *see* AOKI Y.
HAYWARD A.R. *see* LI J.
HELLER-HAUPT A. *see* RECHAV Y.
HENSEN E.J. *see* VAN LIEROP M.-J. C.
HERTZOG P.J. *see* GREENWAY A.L.
HILL M.E. *see* DANIELS R.H.
HIRABAYASHI Y., TAMURA S.I., SHIMADA K. & KURATA T. Involvement of antigen-presenting cells in the enhancement of the *in vitro* anti body responses by cholera toxin B subunit, 493
HOLÁŇ V., NAKAMURA S. & MINOWADA J. Inhibitory versus stimulatory effects of natural interferon-alpha on proliferation of lymphocyte subpopulations, 176
HOLT P.G., OLIVER J., McMENAMIN C. & SCHON-HEGRAD M.A. Studies on the surface phenotype and functions of dendritic cells in parenchymal lung tissue of the rat, 582
HOLT P.G. *see* WILKES L.K.
HOLTER W. *see* STOCKINGER H.
HOOPER D.C. *see* BURTLES S.S.
HOOPER D.C. *see* PLEBANSKI M.
HÖRNQVIST E. *see* HARRIMAN G.R.
HULTNER L. *see* ELSE K.J.
HUSSELL T. *see* SPENCER J.

IBANEZ O.M. *see* REIS M.H.
ICHIJO M. *see* SAITO S.
ISAACSON P.G. *see* SPENCER J.

JANSSEN O. *see* DUAN X.
JARDEL C. *see* TABONE M.D.

JOHNSON P.M. *see* ROBERTS J.M.
JONES M. *see* PULFORD K.
JORDAN R.K. *see* ROBINSON J.H.
JUDSON P.A. *see* FLETCHER A.
JUNE R.A., LANDAY A.L., STEFANIK K., LINT T.F & SPEAR G.T. Phenotypic analysis of complement receptor 2^+ T lymphocytes: reduced expression on $CD4^+$ cells in HIV-infected persons, 59

KABELITZ D. *see* DUAN X.
KÄFFERLEIN E. *see* ZIEGLER-HEITBROCK H.W.L.
KAI C. *see* NORIMINE J.
KAKIMOTO K. *see* SHINBORI T.
KAMATA I. *see* YAMADA M.
KANBE K. *see* WAKI S.
KANG C.-Y. *see* MORROW W.J.W.
KANNER S.B., DEANS J.P. & LEDBETTER J.A. Regulation of CD3-induced phospholipase C-gamma 1 (PLCγ1) tyrosine phosphorylation by CD4 and CD45 receptors, 441
KARP R.D. *see* FAULHABER L.M.
KASAHARA M. *see* TOKUDA N.
KASAHARA T. *see* MUKAIDA N.
KATAGIRI T. *see* MATSUZAWA A.
KAWAGUCHI Y. *see* NORIMINE J.
KAWAI T. *see* MUKAIDA N.
KAY A.B. *see* HAMID Q.
KAZAZI F. *see* FOLEY P.
KIEBER-EMMONS T. *see* MORROW W.J.W.
KIEPER D. *see* ZIEGLER-HEITBROCK H.W.L.
KIERSZENBAUM F. & SZTEIN M.B. *Trypanosoma cruzi* suppresses the expression of the p75 chain of interleukin-2 receptors on the surface of activated helper and cytotoxic human lymphocytes, 546
KIMBER I. *see* CUMBERBATCH M.
KIMOTO M. *see* TAKASHIMA H.
KIMURA M. *see* MATSUZAWA A.
KINGSLAND C.R. *see* ROBERTS J.M.
KINGTON J.P. *see* SPENCER J.
KLEIN B. *see* BATAILLE R.
KLEIN GEBBINCK J.W.T.M. *see* LA RIVIÈRE G.
KNAPP W. *see* STOCKINGER H.
KNIEP E.M., STRELOW I. & LOHMANN-MATTHES M.-L. The monocyte interleukin-2 receptor light chain: production of cell-associated and soluble interleukin-2 receptor by monocytes, 299
KNIGHT S.C. *see* MACATONIA S.E.
KO Y. *see* MUKAIDA N.
KOCH K.-C. *see* YE K.
KOGA T. *see* SERUSHAGO B.A.
KÖHLER H. *see* MORROW W.J.W.
KÖNIG W. *see* BROM C.
KÖNIG W. *see* BROM J.
KÖNIG W. *see* NEUBER K.
KOOLWIJK P., VAN DE WINKEL J.G.J., OTTEN I. & BAST B.J.E.G. Human monocyte-mediated cytotoxicity towards erythrocytes induced by hybrid mouse monoclonal antibodies: effect of antibody binding valency on IgG-FcγR interaction, 336
KRAAIJEVELD C.A. *see* OOSTERLAKEN T.A.M.
KRAUS T. *see* BIRKELAND M.L.
KURATA T. *see* HIRABAYASHI Y.

LA RIVIÈRE G., KLEIN GEBBINCK J.W.T.M., SCHIPPER C.A. & ROOS E. Tumour necrosis factor-alpha stimulates invasiveness of T-cell hybridomas and cytotoxic T-cell clones by a pertussis toxin-insensitive mechanism, 269
LACHMANN P.J. *see* MONTGOMERY A.M.P.
LACHMANN P.J. *see* ORREN A.
LACKIE J.M. *see* DANIELS R.H.
LAMB J.R. *see* ZHENG R.Q.H.
LANDAY A.L. *see* JUNE R.A.
LAWRY J. *see* BROOKS B.
LAWSON C.M., O'DONOGHUE H.L. & REED W.D. Mouse cytomegalovirus infection induces antibodies which cross-react with virus and cardiac myosin: a model for the study of molecular mimicry in the pathogenesis of viral myocarditis, 513
LEDBETTER J.A. *see* KANNER S.B.
LEE N. *see* LIANG S.-M.
LEE T.H. *see* HALLSWORTH M.P.
LEE T.H. *see* STAYNOV D.Z.
LEHMANN K.R. *see* WYSOCKI L.J.
LEVY R.B. *see* TOKUDA N.
LEW A.M., BRANDON R.B., PANACCIO M. & MORROW C.J. The polymerase chain reaction and other amplification techniques in immunological research and diagnosis, 1
LI J., CAMPBELL D. & HAYWARD A.R. Differential response of human thymus cells to CD2 antibodies: fragmentation of DNA of $CD45RO^+$ and proliferation of $CD45RO^-$ subsets, 305
LIANG C.-M. *see* LIANG S.-M.
LIANG S.-M., LEE N., FINBLOOM D.S. & LIANG C.-M. Regulation by glutathione of interleukin-4 activity on cytotoxic T cells, 435
LIFELY M.R. *see* RHODES J.
LIGHTMAN S.L. *see* CHARTERIS D.G.
LINT T.F *see* JUNE R.A.
LITCHFIELD T.M. *see* HALLSWORTH M.P.
LOHMANN-MATTHES M.-L. *see* KNIEP E.M.
LOOK F. *see* FROIDEVAUX S.
LOPPNOW H. *see* PRYJMA J.
LOUGHLIN A.J., WOODROFFE M.N. & CUZNER M.L. Regulation of Fc receptor and major histocompatibility complex antigen expression on isolated rat microglia by tumour necrosis factor, interleukin-1 and lipopolysaccharide: effects on interferon-gamma induced activation, 170
LOVELAND B.E. *see* ROBINSON J.H.
LUCISANO Y.M. *see* FURRIEL R.P.M.
LUKIĆ M.L. *see* STOŠIĆ-GRUJIČIĆ S.
LYAGOUBI M. *see* TABONE M.D.
LYCKE N.Y. *see* HARRIMAN G.R.
LYCKE N.Y. *see* VAJDY M.

MACATONIA S.E., GOMPELS M., PINCHING A.J., PATTERSON S. & KNIGHT S.C. Antigen presentation by macrophages but not by dendritic cells in human immunodeficiency virus (HIV) infection, 576
McCARTHY S. *see* PULFORD K.
McKNIGHT A.J. & CLASSON B.J. Biochemical and immunological properties of rat recombinant interleukin-2 and interleukin-4, 286
McMENAMIN C. *see* HOLT P.G.
McMENAMIN C. *see* WILKES L.K.
McMULLEN G.L. *see* GREENWAY A.L.
MAGHAZACHI A.A. Cholera toxin inhibits interleukin-2-induced, but enhances pertussis toxin-induced T-cell proliferation: regulation by cyclic nucleotides, 103
MAINI R.N. *see* ZHENG R.Q.H.
MAJDIC O. *see* STOCKINGER H.
MALAN BOREL I. *see* MIRANDA S.
MALLINSON G. *see* FLETCHER A.
MANOHAR V., BROWN E.M. & CHUSED T.M. Murine splenic null cell compartment contains distinct haemopoietic subpopulations: enlargement of a myeloid and an undifferentiated subset with the development of splenomegaly in New Zealand black mice, 448
MANTOVANI B. *see* FURRIEL R.P.M.
MARGNI R.A. *see* MIRANDA S.
MARUŠIĆ M. *see* MARUŠIĆ-GALEŠIĆ S.
MARUŠIĆ-GALEŠIĆ S., MARUŠIĆ M. & POKRIC B. Cellular immune response to the antigen administered as an immune complex *in vivo*, 325
MARZUKI S. *see* GREENWAY A.L.
MASON D.Y. *see* PULFORD K.
MATSUSHIMA K. *see* MUKAIDA N.
MATSUZAWA A., MORIYAMA T., OGATA Y., KATAGIRI T. & KIMURA M. A crucial role of the thymus in induction by the *lpr*^{cg} gene of lymphadenopathy with autoimmunity in the mouse, 688
MAURER D. *see* STOCKINGER H.
MAZIER D. *see* TABONE M.D.
MELLING G.C. *see* ROBERTS J.M.
MELOEN R.H. *see* VAN LIEROP M.-J. C.
MENA M. *see* ESQUIVEL P.
MICKLEM K. *see* PULFORD K.
MIKAMI T. *see* NORIMINE J.
MILLER S.D. *see* PETERSON J.D.
MINOWADA J. *see* HOLÁŇ V.

MIRANDA S., MALAN BOREL I., DOKMETJIAN J., MARGNI R.A. & BINAGHI R.A. Asymmetric non-precipitating antibodies in commercial hyperimmune gamma-globulin for therapeutic use, 707
MITSUYAMA M. *see* SERUSHAGO B.A.
MIYAZAKI J. *see* TAKASHIMA H.
MIYAZAWA T. *see* NORIMINE J.
MIZUKI N. *see* TOKUDA N.
MONTEYNE PH., RENAULD J.-C. & COUTELIER, J.-P. Differential regulation by phorbol myristate acetate of IFN-γ and IL-4 expression in anti-CD3 stimulated mouse spleen cells, 206
MONTGOMERY A.M.P., WING M.G. & LACHMANN P.J. The targeting of T-helper cells and tumourcidal macrophages to a B-cell lymphoma using a PPD–monoclonal antibody heteroconjugate, 217
MORENO C. *see* BATE C.A.W.
MORGAN B.P. *see* ORREN A.
MORGAN B.P. *see* ROONEY I.A.
MORGAN B.P. *see* TANDON N.
MORII T. *see* SAITO S.
MORIYAMA T. *see* MATSUZAWA A.
MORROW C.J. *see* LEW A.M.
MORROW W.J.W., WILLIAMS W.M., WHALLEY A.S., RYSKAMP T., NEWMAN R., KANG C.-Y., CHAMAT S., KÖHLER H. & KIEBER-EMMONS T. Synthetic peptides from a conserved region of gp120 induce broadly reactive anti-HIV responses, 557
MOUNTFORD A.P., COULSON P.S., PEMBERTON R.M., SMYTHIES L.E. & WILSON R.A. The generation of interferon-gamma-producing T lymphocytes in skin-draining lymph nodes, and their recruitment to the lungs, is associated with protective immunity to *Schistosoma mansoni*, 250
MOUTON D. *see* REIS M.H.
MUANZA K. *see* TABONE M.D.
MUKAIDA N., GUSSELLA G.L., KASAHARA T., KO Y., ZACHARIAE C.O.C., KAWAI T. & MATSUSHIMA K. Molecular analysis of the inhibition of interleukin-8 production by dexamethasone in a human fibrosarcoma cell line, 674
MUNSHI H.G. *see* COOK-MILLS J.M.
MURAMORI K. *see* SERUSHAGO B.A.
MURAMORI K. *see* SERUSHAGO B.A.
MYTAR B. *see* PRYJMA J.

NAGASAWA K. *see* TSUKAMOTO H.
NAGY S. *see* ANDERSSON J.
NAKAMURA S. *see* HOLÁŇ V.
NAKAZAWA M. *see* YAMADA M.
NARITA N. *see* SAITO S.
NARIUCHI H. *see* WAKI S.
NEGRAO-CORREA D.A. *see* BELL R.G.
NERL C. *see* DUAN X.
NEUBER K. & KONIG W. Effects of *Staphylococcus aureus* cell wall products (teichoic acid, peptidoglycan) and enterotoxin B on immunoglobulin (IgE, IgA, IgG) synthesis and CD23 expression in patients with atopic dermatitis, 23
NEWMAN R. *see* MORROW W.J.W.
NEWSHOLME E.A. *see* CALDER P.C.
NIHO Y. *see* TSUKAMOTO H.
NISHIKAWA K. *see* SAITO S.
NOMOTO K. *see* SERUSHAGO B.A.
NORIMINE J., MIYAZAWA T., KAWAGUCHI Y., TOHYA Y., KAI C. & MIKAMI T. A cDNA encoding feline CD4 has a unique repeat sequence downstream of the V-like region, 74
NORTHOFF H. *see* ZIEGLER-HEITBROCK H.W.L.

O'DONOGHUE H.L. *see* LAWSON C.M.
OGATA Y. *see* MATSUZAWA A.
OLIVER J. *see* HOLT P.G.
ONO K. *see* WAKI S.
ONOUE K. *see* SHINBORI T.
OOSTERLAKEN T.A.M., HARMSEN M., EKSTIJN G.L., KRAAIJEVELD C.A. & SNIPPE H. IgV_H determined genetic restriction of a non-internal image monoclonal anti-idiotypic vaccine against Semliki Forest virus, 224
ORREN A., WÜRZNER R., POTTER P.C., FERNIE B.A., COETZEE S., MORGAN B.P. & LACHMANN P.J. Properties of a low molecular weight complement component C6 found in human subjects with subtotal C6 deficiency, 10
OSHIMI K. *see* AOKI Y.
OTTEN I. *see* KOOLWIJK P.
OVERALL M.L. *see* GREENWAY A.L.

PANACCIO M. *see* LEW A.M.
PAPADAKI L. *see* SPENCER J.
PARRY H. *see* BROOKS B.
PARSONS S.F. *see* FLETCHER A.
PASQUALINI R. *see* DE SOUSA S.J.
PATTERSON S. *see* MACATONIA S.E.
PAULIE S. *see* BJÖRCK P.
PEMBERTON R.M. *see* MOUNTFORD A.P.
PERLMAN R.L. *see* COOK-MILLS J.M.
PETERSEN M.M., STEADMAN R. & WILLIAMS J.D. Protein kinase C activation modulates tumour necrosis factor-alpha priming of human neutrophils for zymosan-induced leukotriene B_4 release, 275
PETERSMANN I. *see* ZIEGLER-HEITBROCK H.W.L.
PETERSON J.D., WALTENBAUGH C. & MILLER S.D. IgG subclass responses to Theiler's murine encephalomyelitis virus infection and immunization suggest a dominant role for Th1 cells in susceptible mouse strains, 652
PIED S. *see* TABONE M.D.
PINCHING A.J. *see* MACATONIA S.E.
PLAYFAIR J.H.L. *see* BATE C.A.W.
PLEBANSKI M., SAUNDERS M., BURTLES S.S., CROWE S. & HOOPER D.C. Primary and secondary human *in vitro* T-cell responses to soluble antigens are mediated by subsets bearing different CD45 isoforms, 86
POKRIĆ B. *see* MARUŠIĆ-GALEŠIĆ S.
POTTER P.C. *see* ORREN A.
POZZILLI P. *see* CAVALLO M.G.
PROUD D. *see* CHURCHILL L.
PRYJMA J., MYTAR B., LOPPNOW H., ERNST M., ZEMBALA M. & FLAD H.-D. FcR^+ and FcR^- monocytes differentially secrete monokines during pokeweed mitogen-induced T-cell–monocyte interactions, 355
PULFORD K., MICKLEM K., McCARTHY S., CORDELL J., JONES M. & MASON D.Y. A monocyte/macrophage antigen recognized by the four antibodies GHI/61, Ber-MAC3, Ki-M8 and SM4, 588
PURÉ E. *see* BIRKELAND M.L.

RAJZBAUM G. *see* BATAILLE R.
RECHAV Y., SPICKETT A.M., DAUTH J., TEMBO S.D., CLARKE F.C., HELLER-HAUPT A. & TRINDER P.K.E. Immunization of guinea-pigs and cattle against adult *Rhipicephalus appendiculatus* ticks using semipurified nymphal homogenates and adult gut homogenate, 700
REED W.D. *see* LAWSON C.M.
REES R. *see* BROOKS B.
REIS M.H., IBANEZ O.M., CABRERA W.H., RIBEIRO O.G., MOUTON D., SIQUEIRA M. & COUDERC J. T-helper functions in lines of mice selected for high or low antibody production (Selection III): modulation by anti-$CD4^+$ monoclonal antibody, 80
RENAULD J.-C. *see* MONTEYNE PH.
REYNOLDS J.D. *see* GRIEBEL P.J.
RHODES J., ZHENG B. & LIFELY M.R. Inhibition of specific T-cell activation by monosaccharides is through their reactivity as aldehydes, 626
RIBEIRO O.G. *see* REIS M.H.
RIETHMÜLLER G. *see* ZIEGLER-HEITBROCK H.W.L.
RIVAS C. *see* ESQUIVEL P.
ROBERTS J.M., TAYLOR C.T., MELLING G.C., KINGSLAND C.R. & JOHNSON P.M. Expression of the CD46 antigen, and absence of class I MHC antigen, on the human oocyte and preimplantation blastocyst, 202
ROBINSON D.S. *see* HAMID Q.
ROBINSON J.H., CHAPMAN C.J., LOVELAND B.E. & JORDAN R.K. T-cell tolerance induced in nude mice grated with thymic epithelium, 318

ROMÁN E. *see* BATE C.A.W.
ROONEY I.A., DAVIES A. & MORGAN B.P. Membrane attack complex (MAC)-mediated damage to spermatozoa: protection of the cells by the presence on their membranes of MAC inhibitory proteins, 499
ROOS E. *see* LA RIVIÈRE G.
ROSENBLATT N. *see* FROIDEVAUX S.
ROWLEY M.J. *see* GREENWAY A.L.
RUTTEN V.P.M.G. *see* VAN LIEROP M.-J. C.
RYSKAMP T. *see* MORROW W.J.W.

SABBAGA J. *see* DE SOUSA S.J.
SAITO S., NISHIKAWA K., MORII T., NARITA N., ENOMOTO M. & ICHIJO M. Expression of activation antigens CD69, HLA-DR, interleukin-2 receptor-alpha (IL-2Rα) and IL-2Rβ on T cells of human decidua at an early stage of pregnancy, 710
SALERNO A. *see* DIELI F.
SATTAYASAI N. *see* GREENWAY A.L.
SAUNDERS M. *see* PLEBANSKI M.
SCHIPPER C.A. *see* LA RIVIÈRE G.
SCHLEIMER R.P. *see* CHURCHILL L.
SCHMUCKER D.L. *see* TAYLOR L.D.
SCHON-HEGRAD M.A. *see* HOLT P.G.
SCHREIBER W. *see* STOCKINGER H.
SELKIRK M.E. *see* BLACKBURN C.C.
SERUSHAGO B.A., MITSUYAMA M., HANDA T., MURAMORI K., KOGA T. & NOMOTO K. Difference in the functional maturation of T cells against *Listeria monocytogenes* in lymph nodes and spleen, 238
SERUSHAGO B.A., YOSHIKAI Y., HANDA T., MITSUYAMA M., MURAMORI K. & NOMOTO K. Effect of recombinant human granulocyte colony-stimulating factor (rh G-CSF) on murine resistance against *Listeria monocytogenes*, 475
SETOYAMA H. *see* UMESAKI Y.
SHIMADA K. *see* HIRABAYASHI Y.
SHINBORI T., YAMADA M., KAKIMOTO K., ARAKI S. & ONOUE K. Development of the cell contact-mediated accessory function for T-cell proliferation in a human promyelocytic leukaemia cell line, HL-60, by 1,25-dihydroxyvitamin D_3, 619
SHORTER S.C., VINCE G.S. & STARKEY P.M. Production of granulocyte
colony-stimulating factor at the materno–foetal interface in human pregnancy, 468
SILEGHEM M. *see* FLYNN J.N.
SIMPSON R.J. *see* STEWART G.A.
SIQUEIRA M. *see* REIS M.H.
SMYTHIES L.E. *see* MOUNTFORD A.P.
SNIPPE H. *see* OOSTERLAKEN T.A.M.
SORRELL T.C. *see* FOLEY P.
SOWALSKY R.A. & FOX B.S. Pattern of lectin binding to murine T lymphocytes, 92
SPEAR G.T. *see* JUNE R.A.
SPENCER J., CHOY M., HUSSELL T., PAPADAKI L., KINGTON J.P. & ISAACSON P.G. Properties of human thymic B cells, 596
SPICKETT A.M. *see* RECHAV Y.
SPRING F.A. *see* FLETCHER A.
STARKEY P.M. *see* SHORTER S.C.
STAYNOV D.Z. & LEE T.H. Expression of interleukin-5 and granulocyte–macrophage colony-stimulating factor in human peripheral blood mononuclear cells after activation with phorbol myristate acetate, 196
STEADMAN R. *see* PETERSEN M.M.
STEFANIK K. *see* JUNE R.A.
STEWART G.A., WARD L.D., SIMPSON R.J. & THOMPSON P.J. The group III allergen from the house dust mite *Dermatophagoides pteronyssinus* is a trypsin-like enzyme, 29
STOCKINGER H., SCHREIBER W., MAJDIC O., HOLTER W., MAURER D. & KNAPP W. Phenotype of human T cells expressing CD31, a molecule of the immunoglobulin supergene family, 53
STOKES C.R. *see* WILLIAMS N.A.
STOŠIĆ-GRUJIČIĆ S. & LUKIĆ M.L. Glucocorticoid-induced keratinocyte-derived interleukin-1 receptor antagonist(s), 293
STRELOW I. *see* KNIEP E.M.
SUGIYAMA E. *see* FUJIKAWA M.
SUZUKI H. *see* FUJIKAWA M.
SUZUKI K. *see* AOKI Y.
SUZUKI M. *see* WAKI S.
SZTEIN M.B. *see* KIERSZENBAUM F.

TABONE M.D., MUANZA K., LYAGOUBI M., JARDEL C., PIED S., AMEDEE-MANESME O., GRAU G.E. & MAZIER D. The role of interleukin-6 in vitamin A deficiency during *Plasmodium falciparum* malaria and possible consequences for vitamin A supplementation, 553
TADA Y. *see* TSUKAMOTO H.
TAKASHIMA H., ARAKI K., MIYAZAKI J., YAMAMURA K. & KIMOTO M. Characterization of T-cell tolerance to hepatitis B virus (HBV) antigen in transgenic mice, 398
TAMURA S.I. *see* HIRABAYASHI Y.
TAN Y.H. *see* CAIRNS J.A.
TANDON N., MORGAN B.P. & WEETMAN A.P. Expression and function of membrane attack complex inhibitory proteins on thyroid follicular cells, 372
TARDELLI L. *see* BIRKELAND M.L.
TAVERNE J. *see* BATE C.A.W.
TAYLOR C.T. *see* ROBERTS J.M.
TAYLOR L.D., DANIELS C.K. & SCHMUCKER D.L. Ageing compromises gastrointestinal mucosal immune response in the rhesus monkey, 614
TEMBO S.D. *see* RECHAV Y.
THOMPSON P.J. *see* STEWART G.A.
THOR G. & BRIAN A.A. Glycosylation variants of murine interleukin-4: evidence for different functional properties, 143
THORPE R. *see* CAVALLO M.G.
TOHYA Y. *see* NORIMINE J.
TOKUDA N., MIZUKI N., KASAHARA M. & LEVY R.B. 1,25-dihydroxyvitamin D_3 down-regulation of HLA-DR on human peripheral blood monocytes, 349
TOTO A. *see* CAVALLO M.G.
TRINDER P.K.E. *see* RECHAV Y.
TSUKAMOTO H., NAGASAWA K., YOSHIZAWA S., TADA Y., UEDA A., UEDA Y. & NIHO Y. Synthesis and regulation of the fourth component of complement (C4) in the human monocytic cell line U937: comparison with that of the third component of complement (C3), 565

UEDA A. *see* TSUKAMOTO H.
UEDA Y. *see* TSUKAMOTO H.
UEHARA S. *see* WAKI S.
UMESAKI Y. & SETOYAMA H. Immune responses of mice to orally admin istered asialo GM1-specific rabbit IgG in the presence or absence of cholera toxin, 386

VAJDY M. & LYCKE N.Y. Cholera toxin adjuvant promotes long-term immunological memory in the gut mucosa to unrelated immunogens after oral immunization, 488
VAN DE WINKEL J.G.J. *see* KOOLWIJK P.
VAN LIEROP M.-J. C., VAN MAANEN K., MELOEN R.H., RUTTEN V.P.M.G., DE JONG M.A.C. & HENSEN E.J. Proliferative lymphocyte responses to foot-and-mouth disease virus and three FMDV peptides after vaccination or immunization with these peptides in cattle, 406
VAN MAANEN K. *see* VAN LIEROP M.-J. C.
VINCE G.S. *see* SHORTER S.C.

WAKI S., UEHARA S., KANBE K., ONO K., SUZUKI M. & NARIUCHI H. The role of T cells in pathogenesis and protective immunity to murine malaria, 646
WALTENBAUGH C. *see* PETERSON J.Dç.
WARD L.D. *see* STEWART G.A.
WEETMAN A.P. *see* TANDON N.
WHALLEY A.S. *see* MORROW W.J.W.
WHITING C.V. *see* BLAND P.W.
WILKES L.K., McMENAMIN C. & HOLT P.G. Postnatal maturation of mast cell subpopulations in the rat respiratory tract, 535
WILLIAMS D.J.L. *see* FLYNN J.N.
WILLIAMS J.D. *see* PETERSEN M.M.
WILLIAMS N.A., WILSON A.D., BAILEY M., BLAND P.W. &

STOKES C.R. Primary antigen-specific T-cell proliferative responses following presentation of soluble protein antigen by cells from the murine small intestine, 608
WILLIAMS W.M. *see* MORROW W.J.W.
WILSON A.D. *see* WILLIAMS N.A.
WILSON R.A. *see* MOUNTFORD A.P.
WING M.G. *see* MONTGOMERY A.M.P.
WOODROFFE M.N. *see* LOUGHLIN A.J.
WÜRZNER R. *see* ORREN A.
WYSOCKI L.J., CREADON G., LEHMANN K.R. & CAMBIER J.C. B-cell proliferation initiated by Ia cross-linking and sustained by interleukins leads to class switching but not somatic mutation *in vitro*, 116

XIANG J. & CHEN Z. Genetic engineering of high affinity anti-human colorectal tumour mouse/human chimeric antibody, 209
XU R. Graft-specific MHC class II gene expression in response to allogeneic stimulus in heterotopic murine cardiac allografts, 361

YAMADA M., NAKAZAWA M., KAMATA I. & ARIZONO N. Low-level infection with the nematode *Nippostrongylus brasiliensis* induces significant and sustained specific and non-specific IgE antibody responses in rats, 36
YAMADA M. *see* SHINBORI T.
YAMAMURA K. *see* TAKASHIMA H.
YAMASHITA N. *see* FUJIKAWA M.
YAMAZAKI K. *see* FUJIKAWA M.
YE K., KOCH K.-C., CLARK B.D. & DINARELLO C.A. Interleukin-1 down-regulates gene and surface expression of interleukin-1 receptor type I by destabilizing its mRNA whereas interleukin-2 increases its expression, 427
YOSHIKAI Y. *see* SERUSHAGO B.A.
YOSHIZAWA S. *see* TSUKAMOTO H.

ZACHARIAE C.O.C. *see* MUKAIDA N.
ZEMBALA M. *see* PRYJMA J.
ZHANG X.G. *see* BATAILLE R.
ZHENG B. *see* RHODES J.
ZHENG R.Q.H., ABNEY E.R., CHU C.Q., FIELD M., MAINI R.N., LAMB J.R. & FELDMANN M. Detection of *in vivo* production of tumour necrosis factor-alpha by human thyroid epithelial cells, 456
ZIEGLER-HEITBROCK H.W.L., BLUMENSTEIN M., KÄFFERLEIN E., KIEPER D., PETERSMANN I., ENDRES S., FLEGEL W.A., NORTHOFF H., RIETHMÜLLER G. & HAAS J.G. *In vitro* desensitization to lipopolysaccharide suppresses tumour necrosis factor, interleukin-1 and interleukin-6 gene expression in a similar fashion, 264
ZINGONE D. *see* DIELI F.

Subject Index

Activation antigens:
on T cells of human decidua, 710
Ageing:
and mucosal immune response in rhesus monkeys, 614
Allergenicity of house dust mite, 29
Alloantigen exposure of murine CD4 cells:
changes in CD45RB and lymphokine production, 632
Antigen-presenting cells:
small intestine, 608
Anti-idiotype vaccine, against Semliki Forest virus:
IgV_H restriction, 224
Asialo GM1, immune responses to orally administered:
in presence or absence of cholera toxin, 386
Asymmetric non-precipitating antibodies, 707
Autoantibodies, anti-platelet:
recognition of an epitope in GPIIb/IIIa, 17

B cells, human thymic:
properties of, 596
B-cell capping deficiency in Sjögren's syndrome, 550
B-cell maturation: in chronic lymphocytic leukaemia, 420
B-cell proliferation: and class switching, 116

C6 deficiency:
properties of low molecular weight C6, 10
CD25 and CD3:
co-expression in atopic allergy and asthma, 659
CD31:
on human T cells, 53
CD4, feline:
unique cDNA repeat sequence, 74
$CD4^+$ cells:
in neonatal tolerance, 311
$CD4^+$ T cells:
in recruitment of neutrophils, 414
CD45 isoforms:
and *in vitro* T-cell responses, 86
$CD45RO^+$ thymocytes:
fragmentation of DNA in, 305
CD46 and class I major histocompatibility complex:
on oocytes and blastocysts, 202
CD59:
new monoclonal antibodies in, 507
CDw75 antigen:
influence of *In(Lu)* gene on expression, 713
Cell wall products of *Staphylococcus aureus* and enterotoxin B:
effects on Ig synthesis and CD23 expression in atopic dermatitis, 23
Chimeric antibody, to human colorectal tumour:
genetic engineering of, 209
Cholera toxin:
promotion of memory after oral immunization, 488
Cholera toxin B, enhancement of antibody responses:
role of antigen-presenting cells, 493
Cockroach, American:
anti-bacterial response, 378
Complement C4:
synthesis and regulation in human monocytic cell line U937, 565
Contrasuppressor cells:
effect of Newcastle disease virus, 245
CR2 T lymphocytes:
reduced expression in HIV-infected persons, 59
Cyclic nucleotides:
regulation of T-cell proliferation, 103

Cytokine activation and deactivation:
of human neutrophils, 281
Cytokine release:
by virally infected beta islet cells, 664
Cytokines and desensitization to lipopolysaccharides, 264
Cytomegalovirus, antibodies to:
cross-reaction with myosin, 513

Dendritic cells:
surface phenotype, 582

Eicosapentaenoic acid:
antigen-presenting cell function, 330
Eosinophils:
activation by FMLP, 680

Foot-and-mouth disease virus peptides:
lymphocyte responses following immunization, 406

Generalized lymphoproliferative disease (*gld*) syndrome:
adoptive transfer in nude beige mice, 693
Glucocorticoids:
effects on human eosinophils *in vitro*, 382
Granulocyte colony-stimulating factor:
effect on resistance to *Listeria monocytogenes*, 475
production at materno–foetal interface, 468
Granulocyte–macrophage colony-stimulating factor:
production by human tracheal epithelial cells, 189

Hepatitis virus, mouse:
suppression of T-cell activation, 542
Herpes virus type 1, bovine:
cell-mediated cytotoxic responses in lungs, 47
Heteroconjugate antibody:
targeting of T-helper cells and macrophages to a B-cell lymphoma, 217
HLA-DR:
down-regulation by 1,25-dihydroxyvitamin D_3, 349
Human immunodeficiency virus gp120 peptides:
immune responses to, 557
Human immunodeficiency virus infection:
antigen presentation by macrophages but not dendritic cells, 576
Human immunodeficiency virus infection of monocytes:
role of eicosanoids in inhibition of T-cell responses, 391

IgE responses, specific and non-specific:
induced by infection with *Nippostrongylus brasiliensis*, 36
IgG subclass responses:
to Theiler's virus, 652
Immune complexes:
binding and phagocytosis by polymorphonuclear leucocytes, 528
immune responses to, 325
Immunodulation:
by FK506 and cyclosporin A, 136
Interferon-alpha:
selective production of subtypes by cultured cells, 182
Interferon-gamma:
effects on lymphocyte subpopulations, 176
production in experimental autoimmune uveoretinitis, 463
Interferon-gamma-producing T cells:
and protective immunity to *Schistosoma masoni*, 250
Interleukin-1 receptor:
regulation, 427

Interleukin-1 receptor antagonists:
glucocorticoid induced, 293
Interleukin-2 and interleukin-4, rat:
biochemical and immunological properties, 286
Interleukin-2 receptor light chain:
monocyte, 299
Interleukin-2 receptor p75 chain:
suppression of expression by *Trypanosoma cruzi*, 546
Interleukin-4:
aggregation of stimulated B cells, 122
Interleukin-4 activity on cytotoxic T cells:
regulation by glutathione, 435
Interleukin-4, murine:
heterogeneity, 143
Interleukin-4 suppression, of lymphokine-activated killer cell induction:
by monocytes, 343
Interleukin-5 and granulocyte–macrophage colony-stimulating factor:
expression in human peripheral blood mononuclear cells, 196
Interleukin-6:
regulation of cytotoxic effect of tumour necrosis factor, 669
Interleukin-8:
priming of NADPH-oxidase and phospholipase A_2 activation in neutrophils, 157
Interleukin-8, inhibition of production by dexamethasone:
molecular analysis of, 674

Killer cells:
activated induction by medullasin, 481

Lectin binding:
to murine T lymphocytes, 92
Listeria-specific T cells:
maturation of, 238
Lymphokine production:
and antibody response to cytochrome *c* peptide, 164
by anti-CD3 stimulated cells, 206

Major histocompatibility complex class II expression:
in graft-versus-host disease, 366
Major histocompatibility complex class II gene expression, graft-specific:
in response to allogeneic stimulus, 361
Malaria, murine:
role of T cells, 646
Mast cell subpopulations:
postnatal maturation on the respiratory tract, 535
Membrane attack complex:
damage to spermatozoa, 499
Membrane attack complex, inhibitory proteins:
on thyroid follicular cells, 372
Microglia:
regulation of Fc receptor and major histocompatibility complex expression by tumour necrosis factor, interleukin-1 and lipopolysaccharid, 170
Monocyte differentiation:
and cell contact-mediated accessory function, 619
Monocyte/macrophage antigen:
recognized by monoclonal antibodies, 588
Monocyte-mediated cytotoxicity, human:
mediated by hybrid monoclonal antibodies, 336
Monocytes, FcR^+ and FcR^-:
secretion of monokines, 355

Neomycin:
effects on human neutrophils, 150
Neuroendocrine factors:
and T-cell differentiation, 99
Niosomes:
adjuvant activity, 570
Null cells:
splenic, murine, subpopulations, 448

Peyer's patch:
B-cell growth and differentiation, 601
Phospholipase C-gamma 1 tyrosine phosphorylation:
in T cells, 441
Platelet-activating factor:
inactivation by acetylhydrolase, 41
Polymerase chain reaction in immunological research, 3
Protein kinase C activation:
of human neutrophils, 275

Superantigens, staphylococcal enterotoxin:
activation of leukaemic B cells, 420

T cells:
role in pathogenesis and immunity to murine malaria, 646
T-cell activation:
and monosaccharide aldehydes, 626
T-cell lines:
$CD4^+$ lamina propria, generation and characterization, 66
T-cell responses:
in bovine trypanosomiasis, 639
T-cell subsets:
differential induction in response to *Trichuris muris*, 232
T-cell tolerance:
and thymic epithelium, 318
T-helper cell function:
in high and low responder mice, 80
T-lymphocyte proliferation:
inhibition by fatty acids, 108
Thymus:
role in induction of lymphadenopathy by lpr^{cg} gene, 688
Ticks, immunization against:
using nymphal and adult gut homogenates, 700
Transgenic mice:
T-cell tolerance to hepatitis B virus antigens, 398
Trichinella spiralis expulsion:
mediated by monoclonal antibodies of distinct IgG isotypes, 520
Tumour necrosis factor-alpha:
and dendritic cell migration, 257
effect on invasion of T cells, 269
production by thyroid epithelial cells, 456
Tumour necrosis factor induction, by malaria exoantigens:
dependence on phospholipid, 129

Vitamin A deficiency:
role of interleukin-6, during malaria infection, 553